



Opportunities & Constraints to Selling Renewable Resources
July 12, 2010





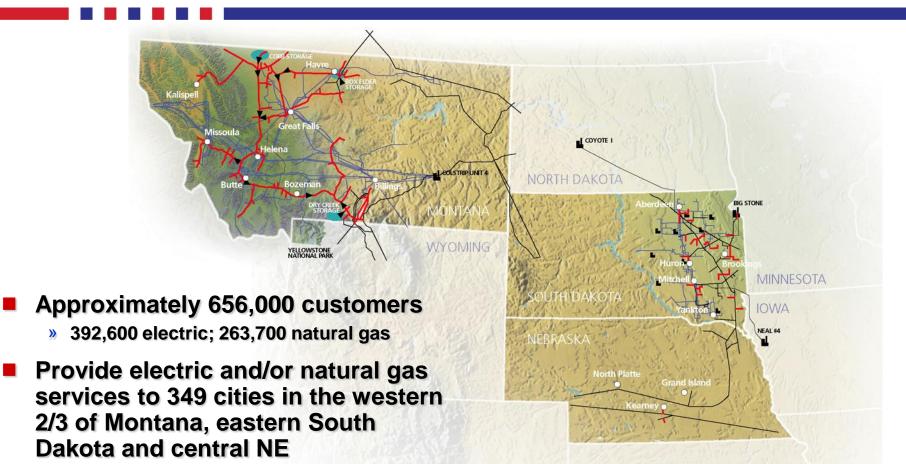
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Delivering a Bright Future

NorthWestern Energy...



- Annual Portfolio: \$300 million electric, \$250 natural gas
- Expenses approved by regulatory bodies

- Electric transmission lines
- Natural gas distribution lines
- Supplier-owned electric or natural gas lines
- Electric generating plant
- Natural gas storage fields
- Natural gas compressor stations

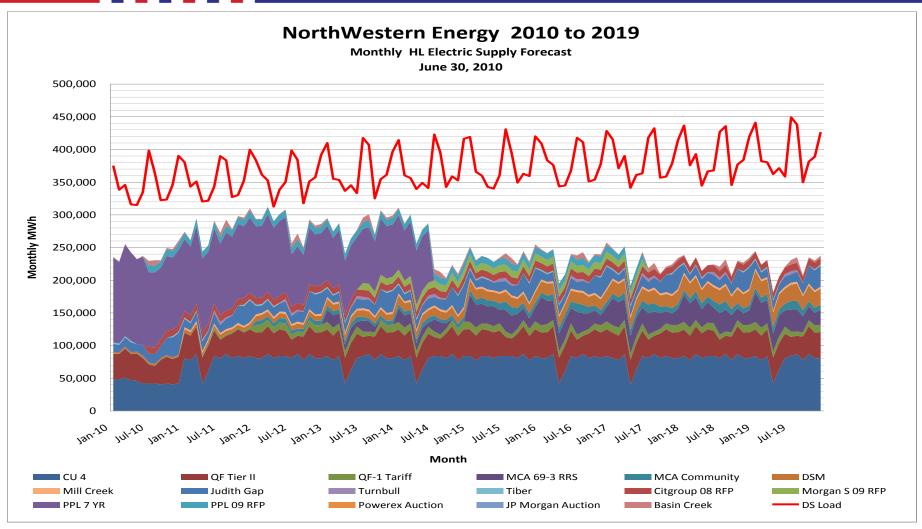


Opportunities to Sell Renewables to NWE

- Supply Portfolio Needs Resources
- MT Renewable Portfolio Standard
- Electric Resource Procurement Plan: Carbon Legislation/rulemaking Identified as Biggest Risk to Portfolio
 - » Will it be implemented;
 - » When;
 - » How much per ton.

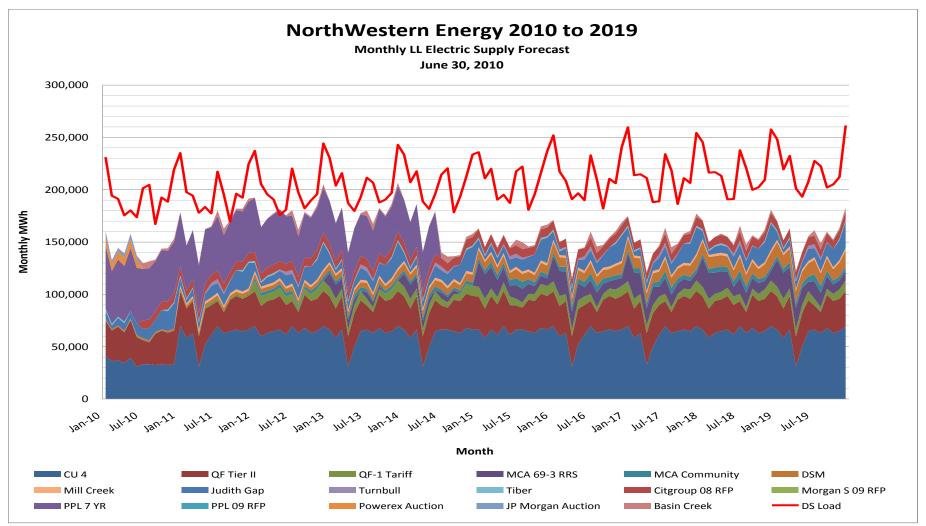


Supply Portfolio – Peak Load Need





Supply Portfolio – Off Peak Load Need





NWE RPS Compliance

		nal Renewable Energy C ed to Meet Montana RP							
Year	Additional RECs Needed With No Additional Renewable Energy Projects	Additional RECs Needed With One 25 MW Wind Project Added In 2012 and 2013	Additional RECs Needed Wit One 25 MW Wind Project Added In 2012, 2013, and 2015						
2010	-	-	-						
2011	-	-	-						
2012	-	-	-						
2013	67,789	-	-						
2014	117,478	-	-						
2015	429,446	1,513	-						
2016	434,842	259,642	85,955						
2017	440,263	265,063	177,463 182,914						
2018	445,714	270,514							
2019	451,189	275,989	188,389						
2020	456,685	281,485	193,885						
2021	462,201	287,001	199,401						
2022	467,754	292,554	204,954						
2023	473,333	298,133	210,533						
2024	478,941	303,741	216,141						
2025	484,578	309,378	221,778						
2026	490,246	315,046	227,446						
2027	495,976	320,776	233,176						
2028	501,746	326,546	238,946						
2029	510,845	335,645	248,045						
Notes:	Assumes average annual energy production from Judith Gap of 470,846 MWh.								
	Assumes 25,000 MWh per year from Turnbull starting in 2011.								
	Additional wind projects for	ecast to have high annual capac	ity factor (40% nominal).						



Potential Constraints ...



- Cost compared to alternatives
 - » Effect on Rates
 - » Current Resource Rates
 - » Avoided Costs
- Type of Resources Needed
 - » Greatest Need is Dispatchability
 - Heavy Load
- Transition back to vertically integrated utility
 - » Moving toward mix of energy purchases and owned resources



Cost is Largest Obstacle Example: current market purchase options

Mid C Peak and ATC Pricing -	estimate on July 1
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PEAK	.'	Oct-2010 \$41.75	Q1-11 \$44.75	. `		Cal 11 \$44.10			Cal 14 \$52.55	Cal 15 \$55.30	Cal 16 \$58.00
					ATC	Cal 11 40.26	Cal 12 43.66	Cal 13 45.49	Cal 14 47.30	Cal 15 49.60	Cal 16 51.84



Summary

- NWE looking for "right" purchases
 - » Must be selective from a portfolio and cost effective perspective
 - » Looking to rate base
 - » Must be able to recover costs
- Regarding biomass, Cost is an issue
 - » Greater certainty of fuel availability
 - Need longer-term commitments
 - » Fuel prices
 - Lower and longer term
 - Cost cap provision in RPS
 - » Avoided cost issues also problematic



Summary – Smurfit Stone . . .

- Allows us to put a plant on line without increasing pollution levels. We can work within Smurfit's existing permit and, with investment in newer control technology, should be able to reduce emissions.
- Opportunity to help sustain the forest products industry in western Montana and help improve forest health.
- Price remains the challenge. We've been improving the number, but we still have a ways to go.

